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LIGHT TRANSMISSION PLATE

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INVENTOR(s): KATSUTA MORIHIKO
 KASHIWAGI TORU
 TAKADA KENSAKU
APPLICANT(s): SUMITOMO ELECTRIC IND LTD [000213] (A Japanese Company or
 Corporation), JP (Japan)
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ABSTRACT

PURPOSE: To obtain a flexible light transmission plate having a uniform luminance by arranging many bubbles in the plate-shaped flexible light transmission plate main body so that these bubbles form a face which is inclined to a liquid crystal panel face and to the direction of light incidence from a light source.

CONSTITUTION: A plate-shaped flexible light transmission plate main body 3 is arranged on the rear face of a flexible liquid crystal panel 2, and bundles of optical fibers 4 are provided on both side faces of the flexible light transmission plate main body 3, and many bubbles 6 are arranged in the light transmission plate main body 3 so that they form a slope which is inclined to the liquid crystal panel 2 and to the direction of light incidence from optical fibers 4. Consequently, light made incident on the light transmission plate main body 3 from optical fibers 4 strikes many bubbles 6 different in refractive index in the light transmission plate main body 3 and is irregularly reflected. Thus, a flexible liquid crystal display device is obtained, and the luminance of incident light is uniformized to uniformly irradiate the whole of the liquid crystal panel 2.

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